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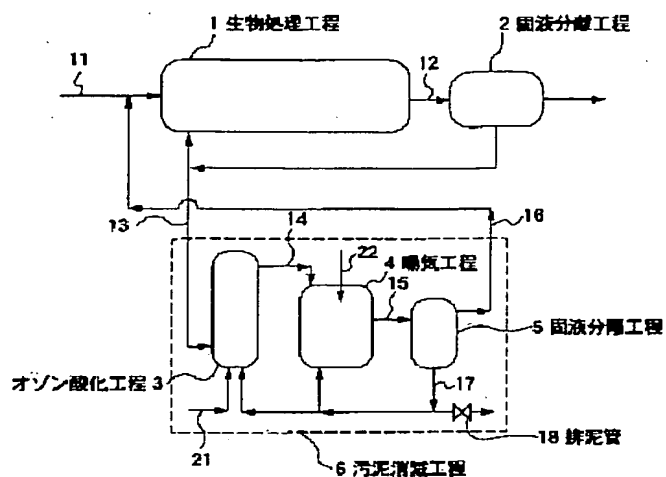
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APPLICANT : EBARA CORP;

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TITLE : METHOD OF REDUCING WEIGHT OF ORGANIC SLUDGE



ABSTRACT : PROBLEM TO BE SOLVED: To provide a new system of reducing weight of organic sludge for satisfying the demand that 'the generated amount of excess sludge be made zero and a phosphorus removing rate not be deteriorated' which is a contradictory one in the prior art.

SOLUTION: In this method, excess sludge 13 generated from a biological treatment process 1 for organic sewage 11 is circulated between an aeration process 4 provided separately from the biological process 1 and an ozone oxidation process 3 in the presence of calcium ions and at a pH of ≥ 9 , and also discharged sludge 15 from the aeration process 4 is subjected to solid-liquid separation. In this case, preferably, water from which solid has been separated of the discharged sludge from the aeration process 4 is fed to the biological process 1, or sludge from which liquid has been separated of the discharged sludge from the aeration process 4 is fed to the ozone oxidation process 3.

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